## APPÉNDIX A

```
width is difference between maximum and minimum received during last 3 sec period TTP.
   offeet is minimum required two.
   Franciscoms is conseent and equals to frame size in milliseconds (for example in G.7%) coded it equals to
   / MAKTTP, is value or maximum FTP in the statistics */
  MaxTTP. Offset -Width
   /* DoltsWidth, may be used in estimating tocalEntremusdice, when burst in width */
  If (width, width,,)
           Deltawidth = width
  Else
           DeltaWidth=0
  /* WidthBound, is a temporary bound value used for herat detection */
  Tf (Width _...p0)
           WidthBound, -60
  Elac
          WidthBound = 3.Width (-1):
  /* Burst, is set to 1, when there is a burst detected in current statistics. It is not to a scherobics */
  If(
          or Width - Width a-1 >200ms
or Width > WidthBound
          or ((Offset, - Offset 1 > 200ms) and (MaxTTD MaxTTD: 200ms)) or (Offset, - Offset 2) > 1 min(Width, Width: 1)
          Burst = 1
  Else
          Aurst =0:
  /* Furstlikelihood moflects likelihood of burst. When it is close to 0, we have now burst liklihood. When
 it is close to 1, we have high burnt likelihood */
 If (Burstn=1)
          BurstLikelihood, = BurstLikelihood = 1 * 0.75 + 0.25
 Else
          BurstLikelihood = BurstLikelihood . . 19/20
  /* RerestAbsoluteCoof is fitter buffer adaptation factor. Whom it is close to 1, jitter buffer size is
 alore to average burnt size and reduced slow. When it is close to U, it is reduced fast. It set to:
          0.5 in not bursty environment
          0.9 when there is a modium burst likelihood
          1.0 When there is a very high burst likelihood */
 If (BurstLikelihood < 0.1)
          Burst2AbsoluteCnef.=0 5
 Rise If (BurstLikelihood, <0.4)
          BurotiAbsoluteCoefa-0.9
 Else
          BUTET2ADSOLUTECOET,=1
 / DeltaOffset is a temporary value used in assimation of desired jitter buffer change
 (LocalExtremumSize) */
 If (Offeet,>0 and Offeet, > Offeet g-1 and Durstp-0)
         DoltaOffocts - max(Widths, Offwels - Offset a-1)
 Else
         DelcaOffsec. =0
 /* LocalExtremumSize, is maximum growth between width and Offpet growthee. */
 LocalExtremumSize,=max(Dalnawidth, DeltaOffset,)
 /* ResiredJitterBuffesSize reflects what is supected burst length */
 if (DesiredJitterBuff&tSize n-1 < LocalExtremumSize,)
         DesiredFitterBufferSize,=DesiredFittorBufferSize -1*(1- Burst2AbroluteCoef,) - LocalExtremumSize-*
 Durat2AbsuluteCuafa
Plse
         uesiredJitterBufferSize,=DesiredJitterBufferSize _...*Burat2AhsolureCoef_) - Width, *(1-
BurstZAbsoluteCoef,
 /* ReduceFactor, tells how fast jitter buffer size should be adjusted to DesizedJitterBufferSize. */
ReduceFactoramax(0, min(BuzetLikelihood, 0.5)-2-0.1)
 /* FimoToRoduce, tells how much jitter buffer desired to be changed (taking burst into account) */
If (Offseta > 0)
        Timerokeduce, offset, (1-ReduceFactor,)
Else
        TimeToReduce = Offset.
/* OffsetOut is TimeToBerice, rounded to multiplo of FrameDiroNS. This value tells how much jitter butter should be adjusted (relatively to surrout jitter buffer size). */
OffsetOut- FrameDireMS * round(TimeTuReduce_/FrameSizeMS)
/* offsetout is DesiredifferBufferSire, rounded to multiple of Franciscats. It talks absolute size that fitter buffer is build from scratch */
Absolutout.= Franciscats * round (DesiredJitterBufforFire,/ Franciscats)
```